

COURSE IMPLEMENTATION DATE:	September 2001
COURSE REVISED IMPLEMENTATION DATE:	September 2006
COURSE TO BE REVIEWED:	November 2009
(Four years after UPAC final approval date)	(MONTH YEAR)

OFFICIAL COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
Shaded headings are subject to change at the discretion of the department and the material will vary - see course syllabus available from instructor

FACULTY/DEPARTMENT:	CHEMISTRY	
CHEMISTRY 412	412	4
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
TOPICS IN ORGANIC CHEMISTRY		
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

In Chemistry 412, students will study a variety of topics that are of current interest to organic chemists. Whenever possible, these topics will be related to one another and to topics which have been introduced in other organic chemistry courses. Details of the topics to be covered in a given semester will be posted on the Chemistry Department website approximately one year before the course is offered.

PREREQUISITES: **CHEM 311 OR 312**
COREQUISITES: **NONE**

SYNONYMOUS COURSE(S)	SERVICE COURSE TO:
(a) Replaces: N/A	N/A
(Course #)	(Department/Program)
(b) Cannot take: N/A for further credit.	N/A
(Course #)	(Department/Program)

TOTAL HOURS PER TERM:	81	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:		LENGTH OF COURSE: _____
Lectures: 45	Hrs	HOURS PER DAY: _____
Seminar:	Hrs	
Laboratory: 36	Hrs	
Field Experience:	Hrs	
Student Directed Learning:	Hrs	
Other (Specify):	Hrs	

MAXIMUM ENROLLMENT:	24
EXPECTED FREQUENCY OF COURSE OFFERINGS:	Alternate years
WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)	<input type="checkbox"/> Yes <input type="checkbox"/> No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

AUTHORIZATION SIGNATURES:

Course Designer(s): _____	Chairperson: _____
Arthur Last	Gillian Mimmack (<i>Curriculum Committee</i>)
Department Head: _____	Dean: _____
Arthur Last	Jackie Snodgrass
UPAC Approval in Principle Date: _____	UPAC Final Approval Date: December 7, 2005

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

Goals:

To expose students to topics and techniques of current interest to organic chemists and to illustrate the practical applications of the covered material through appropriate experimental work. Examples of topics that might be considered include the enantioselective synthesis of pharmaceuticals, combinatorial chemistry, and green chemistry.

Outcomes:

Upon completion of this course, a student will be able to

- explain and demonstrate the theoretical significance and practical applications of the topics covered by means of the successful completion of a comprehensive final examination, an oral presentation, and/or a term paper.
- perform laboratory work involving previously unfamiliar techniques in a safe and effective manner.
- discuss the results of their laboratory work by means of a written report and/or seminar.

METHODS:

Presentation of the course material will be through two 80-minute lectures each week. In addition, students will be encouraged to make use of audio and videotapes, computer software, and the World Wide Web. Extensive use of the library facilities will be required, including on-line access to research journals. Students will be encouraged to design their own experiments for the laboratory component of the course. Guest lecturers will be invited, if available.

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR (Please check:) Yes No

METHODS OF OBTAINING PLAR:

Examinations (theory and laboratory) and an oral presentation.

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Depending on the topics to be covered, students may be required to purchase one or more specialized monographs; however, extensive use will be made of journals, particularly those which contain review articles.

Additional Support Materials:

Chemical Reviews*
Accounts of Chemical Research*
Chemical and Engineering News*
Other journals and monographs as required.

* UCFV currently subscribes to these journals.

SUPPLIES / MATERIALS:

Chemicals and glassware for the laboratory component of the course will be supplied.

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Will depend upon the exact nature of the topics taught, but will include an evaluation of laboratory work, a seminar and/or poster presentation and/or a major term paper, a mid-term examination, and a final examination.

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Will depend on topics selected.